BRUHAT BANGALORE MAHANAGARA PALIKE

MODIFIED SCHEDULE - B

No. EE/BTP/BBMP/E-PMT/04/2020-21, Date:28.05.2020

NAME OF WORK:-Improvements to Roads and RCC Drains at Brundavana Collage Road, Vinayakanagara, Shivapura and Surrounding area in Ward No.05

Sl.NO	Approved Qty	Description	Unit	Approved Tender Rates of RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
1	0.00	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar. complete as per specifications and directions of the Engineer in charge.	Cum	463.73	Rupees Four Hundred Sixty Three and Seventy Three Paise Only
2	0.00	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (5km lead = 57+2*1.28X5)complete as per specifications and directions of the Engineer in charge.	Cum	692.90	Rupees Six Hundred Ninety Two and Ninety Paise Only
3	2790.98	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications 5km lead= 57+2.0x1.28x5 =69.80 complete as per specifications and directions of the Engineer in charge.	Cum	217.88	Rupees Two Hundred Seventeen and Eighty Eight Paise Only
4	0.00	Removing and refixing stone slabs of drains and pointing in CM (1:3)complete as per specifications and directions of the Engineer in charge.	Sqm	116.81	Rupees One Hundred Sixteen and Eighty One Paise Only
5	0.00	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per specifications and directions of the Engineer in charge.	Sqm	778.73	Rupees Seven Hundred Seventy Eight and Seventy Three Paise Only

Signature of the contractor

Executive Engineer

Sl.NO	Approved Qty	Description	Unit	Approved Tender Rates of	
				RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
6	468.79	Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications and directions of the Engineer in charge.	Cum	5690.28	Rupees Five Thousand Six Hundred Ninety and Twenty Eight Paise Only
7	927.64	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15 ,Cmcomplete as per specifications and directions of the Engineer in charge.	Cum	7420.17	Rupees Seven Thousand Four Hundred Twenty and Seventeen Paise Only
8	65.33	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification ,complete as per specifications and directions of the Engineer in charge.	tonne	75907.17	Rupees Seventy Five Thousand Nine Hundred Seven and Seventeen Paise Only
9	2536.74	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)complete as per specifications and directions of the Engineer in charge.	Sqm	2452.68	Rupees Two Thousand Four Hundred Fifty Two and Sixty Eight Paise Only

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Sl.NO	Approved Qty	Description	Unit	Approved Tender Rates of	
				RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
10	26.58	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete as per specifications and directions of the Engineer in charge.	Sqm	5686.19	Rupees Five Thousand Six Hundred Eighty Six and Nineteen Paise Only
11	0.00	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)complete as per specifications and directions of the Engineer in charge.	Cum	1073.37	Rupees One Thousand Seventy Three and Thirty Seven Paise Only
12	997.13	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead, complete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Cum	59.04	Rupees Fifty Nine and Four Paise Only
	263.79	Quantity above 125%	Cum	59.04	Rupees Fifty Nine and Four Paise Only
13	2685.00	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Sqm	43.39	Rupees Forty Three and Thirty Nine Paise Only
	3575.09	Quantity above 125%	Sqm	43.39	Rupees Forty Three and Thirty Eight Paise Only

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Sl.NO	Approved Qty	Description	Unit	Approved Tender Rates of	
				RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
14	0.00	Scarifying by mechanical means stone metal crust 50mm to 100mm thick with pick axes along with premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges complete as per specifications and directions of Engineer in charge	Sqm	43.39	Rupees Forty Three and Thirty Nine Paise Only
15	3328.75	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOMcomplete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Sqm	6.67	Rupees Six and Sixty Seven Paise Only
	2931.34	Quantity above 125%	Sqm	6.67	Rupees Six and Sixty Seven Paise Only
16	499.31	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision complete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Cum	2093.67	Rupees Two Thousand Ninety Three and Sixty Seven Paise Only
	439.70	Quantity above 125%	Cum	2093.67	Rupees Two Thousand Ninety Three and Sixty Seven Paise Only
17	1762.74	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired densitycomplete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Cum	2100.34	Rupees Two Thousand One Hundred and Thirty Four Paise Only
	938.00	Quantity above 125%	Cum	2100.34	Rupees Two Thousand One Hundred and Thirty Four Paise Only

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Sl.NO	Approved Qty	Description	Unit	Approved Tender Rates of RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
18	7664.09	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineriescomplete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Sqm	23.36	Rupees Twenty Three and Thirty Six Paise Only
	4078.26	Quantity above 125%	Sqm	23.36	Rupees Twenty Three and Thirty Six Paise Only
19	11577.88	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Sqm	30.04	Rupees Thirty and Four Paise Only
	1273.18	Quantity above 125%	Sqm	31.15	Rupees Thirty One and Fourteen Paise Only
20	578.89	. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen ,complete as per specifications and directions of the Engineer in charge. (Quantity upto125%)	Cum	6924.01	Rupees Six Thousand Nine Hundred Twenty Four and One Paise Only
	63.67	Quantity above 125%	Cum	6724.88	Rupees Six Thousand Seven Hundred Twenty Four and Eighty Eight Paise Only
21	13654.87	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineriescomplete as per specifications and directions of the Engineer in charge.	Sqm	5.56	Rupees Five and Fifty Six Paise Only

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Sl.NO	Approved Qty	Description	Unit	Approved Tender Rates of RAJESWAREN SATHEESH (SATHYA CONSTRUCTIONS)	
				In Figures	In Words
22	13656.44	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOMcomplete as per specifications and directions of the Engineer in charge.	Sqm	13.35	Rupees Thirteen and Thirty Five Paise Only
23	546.19	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive).complete as per specifications and directions of the Engineer in charge.	Cum	8137.72	Rupees Eight Thousand One Hundred Thirty Seven and Seventy Two Paise Only
24	485.92	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and directions of the Engineer in charge.	Sqm	477.25	Rupees Four Hundred Seventy Seven and Twenty Five Paise Only

Signature of the Contractor

Executive Engineer
Byatarayanapura Division
BBMP, Banglore-92

Signature of the contractor

Executive Engineer